

GenCore Version 5.1.6																							
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MM nucleic - nucleic search, using sw model																							
run on: October 30, 2004, 18:38:33 ; Search time 380 Seconds (without alignments)																							
8608.974 Million cell updates/sec																							
title: US-09-690-10	perfect score: 638	sequence: 1 ccctcgtccggccggca.....cggtgcggggaccctcgggcc 638	coring table: IDENTITY_NUC Gapext 1.0	searched: 343475 seqs, 2563800928 residues	total number of hits satisfying chosen parameters: 6826950	ost-processing: Minimum Match 0% Maximum Match 10%	listing first 45 summaries	database : Published_Applications_NA:*	RESULT 1														
minimum DB seq length: 0	maximum DB seq length: 2000000000	seq 1: /cgna_6_ptodata/1/pubnpa/us07_pubcomb.seq*	seq 2: /cgna_6_ptodata/1/pubnpa/pct_new_pub.seq*	seq 3: /cgna_6_ptodata/1/pubnpa/us05_new_pub.seq*	seq 4: /cgna_6_ptodata/1/pubnpa/us03_pubcomb.seq*	seq 5: /cgna_6_ptodata/1/pubnpa/us07_new_pub.seq*	seq 6: /cgna_6_ptodata/1/pubnpa/pctus1_pubcomb.seq*	seq 7: /cgna_6_ptodata/1/pubnpa/us08_pubcomb.seq*	seq 8: /cgna_6_ptodata/1/pubnpa/us09a_pubcomb.seq*	seq 9: /cgna_6_ptodata/1/pubnpa/us09b_pubcomb.seq*	seq 10: /cgna_6_ptodata/1/pubnpa/us09c_pubcomb.seq*	seq 11: /cgna_6_ptodata/1/pubnpa/us09_new_pub.seq*	seq 12: /cgna_6_ptodata/1/pubnpa/us09c_pubcomb.seq*	seq 13: /cgna_6_ptodata/1/pubnpa/us10a_pubcomb.seq*	seq 14: /cgna_6_ptodata/1/pubnpa/us10b_pubcomb.seq*	seq 15: /cgna_6_ptodata/1/pubnpa/us10c_pubcomb.seq*	seq 16: /cgna_6_ptodata/1/pubnpa/us10d_pubcomb.seq*	seq 17: /cgna_6_ptodata/1/pubnpa/us10e_pubcomb.seq*	seq 18: /cgna_6_ptodata/1/pubnpa/us10_new_pub.seq*	seq 19: /cgna_6_ptodata/1/pubnpa/us11_new_pub.seq*	seq 20: /cgna_6_ptodata/1/pubnpa/us60_new_pub.seq*	seq 21: /cgna_6_ptodata/1/pubnpa/us60_pubcomb.seq*	US-10-013-173-1
score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.	Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.	SUMMARIES	Description	Organism: Streptomyces avidinii	TYPE: DNA	SEQ ID NO: 1	LENGTH: 638	ORGANISM: Streptomyces avidinii	US-10-013-173-1														
result No.	Score	Match	Length	DB ID	%	Query	Match	Score	Length														
1	638	100.0	638	14	US-10-013-173-1	Sequence 1, Appli	100.0%	638;	DB 14;														
2	638	100.0	638	15	US-10-150-762-1	Sequence 1, Appli	100.0%	638;	DB 14;														
3	638	100.0	638	15	US-10-244-821-1	Sequence 1, Appli	100.0%	638;	DB 14;														
4	486.6	76.3	1239	14	US-10-013-173-5	Sequence 5, Appli	0;	0;	Gaps														
5	486.6	76.3	1239	15	US-10-150-762-5	Sequence 5, Appli	0;	0;	Gaps														
6	486.6	76.3	1239	15	US-10-244-821-5	Sequence 5, Appli	0;	0;	Gaps														
7	486.6	76.3	1280	14	US-10-013	Sequence 7, Appli	0;	0;	Gaps														
8	486.6	76.3	1280	15	US-10/150	Sequence 7, Appli	0;	0;	Gaps														
9	486.6	76.3	1280	15	US-10/244	Sequence 7, Appli	0;	0;	Gaps														
10	486.6	76.3	1371	15	US-10-244-821-87	Sequence 87, Appli	0;	0;	Gaps														
11	486.6	76.3	1467	14	US-10-013-173-48	Sequence 48, Appli	0;	0;	Gaps														
12	486.6	76.3	1467	15	US-10-150-762-48	Sequence 49, Appli	0;	0;	Gaps														

Query Match Score 638; DB 15; Length 638;
 Best Local Similarity 100.0%; Pred. No. 3. 8e-16; ;
 Matches 638; Conservative 0; Nismatches 0; Indels 0; Gaps 0;

1 CCCTCGTCCCGCGGGCAACAATAGGGGACTATTTCGTGTCACATGGGCACAGAT 60
 1 CCGTCGTCGCCATGCCGTTCCGTGACCAATAAGGGATTTTCGTGTCACATGGGCACAGAT 60
 1 CGTCGTTGAGGCCATGCCGTTCCGTGACCAATAAGGGATTTACGGGCAAGGCTTCGGC 120

RESULT 2
 US-10-150-762-1
 i Sequence 1, Application US/10150762
 i Publication No. US2003010394BA.
 i GENERAL INFORMATION:
 i i APPLICANT: Goshorn, Stephen C.
 i i APPLICANT: Graves, Scott S.
 i i APPLICANT: Schultz, Joanne E.
 i i APPLICANT: Lin, Yukang
 i i APPLICANT: Sanderson, James A.
 i i APPLICANT: Reno, Jonh M.
 i i APPLICANT: Dearstyne, Erica A.
 i TITLE OF INVENTION: STREPTAVIIN EXPRESSED GENE FUSIONS AND
 i METHODS OF USE THEREOF
 i FILE REFERENCE: 690022.541C3
 i CURRENT APPLICATION NUMBER: US/10/150,762
 i CURRENT FILING DATE: 2002-05-17
 i NUMBER OF SEQ. ID NOS: 90
 i SOFTWARE: FastSEQ for Windows Version 4.0
 i SEQ ID NO: 1
 i LENGTH: 638
 i TYPE: DNA
 i ORGANISM: Streptomyces avidinii
 i
 US-10-150-762-1

Query Match Score 638; DB 15; Length 638;
 Best Local Similarity 100.0%; Pred. No. 3. 8e-16; ;
 Matches 638; Conservative 0; Nismatches 0; Indels 0; Gaps 0;

1 CCCTCGTCCCGCGGGCAACAATAGGGGACTATTTCGTGTCACATGGGCACAGAT 60
 1 CCGTCGTCGCCATGCCGTTCCGTGACCAATAAGGGATTTACGGGCAAGGCTTCGGC 120

RESULT 3
 US-10-244-821-1
 i Sequence 1, Application US/10244821
 i Publication No. US2003014323A1
 i GENERAL INFORMATION:
 i i APPLICANT: Goshorn, Stephen Charles
 i i APPLICANT: Graves, Scott Stoll
 i i APPLICANT: Schultz, Joanne Blaine
 i i APPLICANT: Lin, Yukang
 i i APPLICANT: Sanderson, James Allen
 i i APPLICANT: Reno, John M.
 i i APPLICANT: Dearstyne, Erica A.
 i TITLE OF INVENTION: STREPTAVIIN EXPRESSED GENE FUSIONS AND
 i METHODS OF USE THEREOF
 i FILE REFERENCE: 690022.541C3
 i CURRENT APPLICATION NUMBER: US/10/244,821
 i CURRENT FILING DATE: 2002-09-16
 i NUMBER OF SEQ ID NOS: 92
 i SOFTWARE: FastSEQ for Windows Version 4.0
 i SEQ ID NO: 1
 i LENGTH: 638
 i TYPE: DNA
 i ORGANISM: Streptomyces avidinii
 i
 US-10-244-821-1

Query Match Score 638; DB 15; Length 638;
 Best Local Similarity 100.0%; Pred. No. 3. 8e-16; ;
 Matches 638; Conservative 0; Nismatches 0; Indels 0; Gaps 0;

1 CCCTCGTCCCGCGGGCAACAATAGGGGACTATTTCGTGTCACATGGGCACAGAT 60
 1 CCGTCGTCGCCATGCCGTTCCGTGACCAATAAGGGATTTACGGGCAAGGCTTCGGC 120

61 CTCGTTGCAAGCATTCCGGTCTCCCTGACCAACGGCTCTGATTAACGGCACTCGGC 120
 Db Qy 160 CGAGGGGGCATACCCGACTGGTACAGCTGGTGACCTTCATCGTGAACCGC 219
 Qy 121 AGACCCCTCAGGACTGAGGCCAGTCTGGGCCAGATACGGCAC 180
 Db 798 CGAGGGGGCATACCCGACTGGTACAGCTGGTGACCTTCATCGTGAACCGC 857
 Db 121 AGACCCCTCAGGACTGAGGCCAGTCTGGGCCAGATACGGCAC 180
 Qy 181 CTGGTACAAACGCTCGCTGACCTTCACTGTGACCGGGGCCCTGAC 240
 Db 220 GGGCGCGCATACCCGACTGGTACAGCTGGTGACCTTCATCGTGAACCGC 279
 Db 181 CTGGTACAAACGCTCGCTGACCTTCACTGTGACCGGGGCCCTGAC 240
 Qy 858 GGGCGCGCATACCCGACTGGTACAGCTGGTGACCTTCATCGTGAACCGC 917
 Db 280 CTACGTCCTGACGGTCTGGTACAGCGGCCAGGGGACCGCCT 339
 Qy 918 CTACGTCCTGACGGTCTGGTACAGCGGCCAGGGGACCGCCT 977
 Db 918 CTACGTCCTGACGGTCTGGTACAGCGGCCAGGGGACCGCCT 977
 Qy 340 CGGTTGACGCTGGCTGGGAAAGATAACTACCGCAACGCCAACCTGGGAG 399
 Db 978 CGGTTGACGCTGGCTGGGAAAGATAACTACCGCAACGCCAACCTGGGAG 1037
 Qy 978 CGGTTGACGCTGGCTGGGAAAGATAACTACCGCAACGCCAACCTGGGAG 1037
 Db 918 CTACGTCCTGACGGTCTGGTACAGCGGCCAGGGGACCGCCT 977
 Qy 400 CGGCCAGTAGTCGGCGGCCAGGGGATCAGACCCAGTGGTGTGACCTCGG 459
 Db 1038 CGGCCAGTAGTCGGCGGCCAGGGGATCAGACCCAGTGGTGTGACCTCGG 1097
 Qy 301 CGACAGCGCCAGGACCCGAGGGAGACCCGCTCGTGGTGGCGCTGGAA 360
 Db 460 CACCACTGGCCAAGGCCCTGGTGAAGTCACCTGGTGGCGCTGGAA 519
 Db 301 CGACAGCGCCAGGACCCGAGGGAGACCCGCTCGTGGTGGCGCTGGAA 360
 Qy 400 CGGCCAGTAGTCGGCGGCCAGGGGATCAGACCCAGTGGTGTGACCTCGG 459
 Db 1098 CACCACTGGCCAAGGCCCTGGTGAAGTCACCCAGTGGTGTGACCTCGG 1157
 Qy 520 GAAGCCGTCGGCGGCCCTCATGACCCGGGAAAGGGCCGGTAAACAGGG 579
 Db 1158 GAAGCCGTCGGCGGCCCTCATGACCCGGGAAAGGGGAAAGACGG 1217
 Db 580 GCTCGGAGCGCGSTTCAGCAGTA 600
 Db 1218 GCTCGGAGCGCGSTTCAGCAGTA 1238

RESULT 5
 US-10-150-762-5
 ; Sequence 5, Application US10150762
 ; Publication No. US20030103948A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Goshorn, Stephen C.
 ; APPLICANT: Graves, Scott S.
 ; APPLICANT: Schultz, Joanne E.
 ; APPLICANT: Lin, Yukang
 ; APPLICANT: Sanderson, James A.
 ; APPLICANT: Reno, John M.
 ; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
 ; METHODS OF USE THEREOF
 ; FILE REFERENCE: 690022-547C2
 ; CURRENT APPLICATION NUMBER: US10/150,762
 ; CURRENT FILING DATE: 2002-05-17
 ; NUMBER OF SEQ ID NOS: 90
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 5
 ; LENGTH: 1239
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: B9E9 single chain antibody-genomic streptavidin fusion
 ; LENGTH: 1239
 ; Query Match 76.3%; Score 486.6; DB 14; Length 1239;
 ; Best Local Similarity 98.2%; Pred. No. 1.2e-120;
 ; Matches 492; Conservative 0; Mismatches 9;
 ; Indels 0; Gaps 0;

Qy 100 GATTAGGGCAGGGCTTCGGCATACCCCTCAAGGACTCGTGAAGGCCAGGTCTGGCCGC 159
 Db 738 GAGGCGCGCATACCCCTCAAGGACTCGTGAAGGCCAGGTCTGGCCGC 159
 Qy 160 GAGGGCGCATACCCCTCAAGGACTCGTGAAGGCCAGGTCTGGCCGC 219
 Db 798 CGAGGGCGCATACCCCTCAAGGACTCGTGAAGGCCAGGTCTGGCCGC 857
 Qy 100 GATTAGGGCAGGGCTTCGGCATACCCCTCAAGGACTCGTGAAGGCCAGGTCTGGCCGC 159
 Db 738 GAGGCGCGCATACCCCTCAAGGACTCGTGAAGGCCAGGTCTGGCCGC 159
 Qy 100 GATTAGGGCAGGGCTTCGGCATACCCCTCAAGGACTCGTGAAGGCCAGGTCTGGCCGC 159
 Db 798 CGAGGGCGCATACCCCTCAAGGACTCGTGAAGGCCAGGTCTGGCCGC 857

Qy 220 GGGGCCAACGGCCCTAACCGAACCTAACAGTCGGCTCGGAACGGAGCGG 279
 Db 858 GGGGCCAACGGCCCTAACCGAACCTAACAGTCGGCAAGCGGAGCGG 917
 Qy 280 CTAGTCTGACCGTCTGTTACACAGGCCAACCCAACTAACAGTCGGCAAGCGG 339
 Db 918 CTAGTCTGACCGTCTGTTACACAGGCCAACCCAACTAACAGTCGGCAAGCGG 977
 Qy 340 CGGTGGAGGGTGGCTGGAAATACTACGCAAGGCCAACCCAACTAACAGTCGG 399
 Db 978 CGGTGGAGGGTGGCTGGAAATACTACGCAAGGCCAACCCAACTAACAGTCGG 1037
 Qy 400 CGGCAGTAGTGG 459
 Db 1038 CGGCAGTAGTGG 1097
 Qy 460 CACCAAGGGCAAGGCCAACCCAACTGGGAACTGGGAACTGGGAACTGGG 519
 Qy 520 GAAGCCGTCGGCGCTCATGGAGTCGGTGGCAAGCAACGGCAACGGCAACCC 579
 Db 1158 GAAGCCGTCGGCGCTCATGGAGTCGGTGGCAAGCAACGGCAACCC 1217
 Qy 580 GCTCACGCGGTTAGCGCTA 600
 Db 1218 GCTCACGCGGTTAGCGCTA 1238

RESULT 7
 US/10/013
 ; Sequence 7, Application US/10013173
 ; Publication No. US2003009597A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Goshorn, Stephen C.
 ; APPLICANT: Graves, Scott Stoll
 ; APPLICANT: Schultz, Joanne Elaine
 ; APPLICANT: Lin, Yukang
 ; APPLICANT: Sanderson, James A.
 ; APPLICANT: Reno, John M.
 ; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND METHODS OF USE THEREOF
 ; FILE REFERENCE: 690022.547C1
 ; CURRENT APPLICATION NUMBER: US/10/013 .173
 ; CURRENT FILING DATE: 2001-12-07
 ; NUMBER OF SEQ ID NOS: 69
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 7
 ; LENGTH: 1280
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE: PEPTIDE
 ; OTHER INFORMATION: B9E9 single chain antibody-genomic streptavidin fusion construct
 US/10/013,173 -7

Query Match 76.3%; Score 486.6; DB 14; Length 1280;
 Best Local Similarity 98.2%; Pred. No. 1.2e-120; Indels 0; Gaps 0;
 Matches 492; Conservative 0; Missmatches 9;

RESULT 6
 US-10-244-821-5
 ; Sequence 5, Application US/10244821
 ; GENERAL INFORMATION:
 ; APPLICANT: Goshorn, Stephen Charles
 ; APPLICANT: Graves, Scott Stoll
 ; APPLICANT: Schultz, Joanne Elaine
 ; APPLICANT: Lin, Yukang
 ; APPLICANT: Sanderson, James Allen
 ; APPLICANT: Reno, John M.
 ; APPLICANT: Dearstine, Erica A.
 ; TITLE OF INVENTION: METHODS OF USE THEREOF
 ; FILE REFERENCE: 690022.547C3
 ; CURRENT APPLICATION NUMBER: US/10/244,821
 ; CURRENT FILING DATE: 2002-09-16
 ; NUMBER OF SEQ ID NOS: 92
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 5
 ; LENGTH: 1239
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE: PEPTIDE
 ; OTHER INFORMATION: B9E9 single chain antibody-genomic streptavidin fusion
 US-10-244-821-5

Query Match 76.3%; Score 486.6; DB 15; Length 1239;
 Best Local Similarity 98.2%; Pred. No. 1.2e-120; Indels 0; Gaps 0;
 Matches 492; Conservative 0; Missmatches 9;

Qy 100 GATTACGCCAGGCTTCGGAGACCCCTCAAGGACTCGAAGGCCAGCTCGGCC 159
 Db 738 GACCTCTGGCTCTGGTGGAGACCCCTCAAGGACTCGAAGGCCAGCTCGGCC 797
 Qy 160 CGAGGCCGATCACCGAACCTGGTACACAGCTGGCTCGACCTTCATCGTGACCC 219
 Db 798 CGAGGCCGATCACCGAACCTGGTACACAGCTGGCTCGACCTTCATCGTGACCC 857
 Qy 220 GGGGCCAACGGCCCTGACGGAACCTAACGGTGGCTCGCAACCCGGAGCCG 279
 Db 858 GGGGCCAACGGCCCTGACGGAACCTAACGGTGGCTCGCAACCCGGAGCCG 917
 Qy 280 CTAGTCTGACGGCTGGCTGAGAACCTACGGCAACGGCCACTCGCAGCCG 399
 Db 1013 CGGGGCCAGGGCTGGCTGAGAACCTACGGCAACGGCCACTCGCAGCCG 1072

Qy 400 CGGCCAGTACGTGGCGGCGAGGGATCAACACCCAGTGGCTGCTGACCTCGG 459
 Db 1073 CGGCCAGTACGTGGCGGCGAGGGATCAACACCCAGTGGCTGCTGACCTCGG 1132

Qy 460 CACCCGAGGCTAACCGCCACTGGCTGCTGAAAGTCACCGCTGGCCACGAACTTCACBAGGT 519
 Db 1113 CACCCGAGGCTAACCGCCACTGGCTGCTGAAAGTCACCGCTGGCCACGAACTTCACBAGGT 1192

Qy 520 GAAAGCCGTTCCGGCGCTTCATGGCCAGGCGCTGGCTGCTGAAACACGG2AACCC 579
 Db 11193 GAAAGCCGTTCCGGCGCTTCATGGCCAGGCGCTGGCTGCTGAAACACGG2AACCC 1252

Qy 520 GAAAGCCGTTCCGGCGCTTCATGGCCAGGCGCTGGCTGCTGAAACACGG2AACCC 579
 Db 11193 GAAAGCCGTTCCGGCGCTTCATGGCCAGGCGCTGGCTGCTGAAACACGG2AACCC 1252

Qy 580 GCTCGAGGCCGTTAGAGATA 600
 Db 1253 GCTCGAGGCCGTTAGAGATA 1273

RESULT 9
 US/10/244
 Sequence 7, Application US/10244821
 Publication No. US20030143233A1
 GENERAL INFORMATION:
 APPLICANT: Goshorn, Stephen Charles
 APPLICANT: Graves, Scott Stoll
 APPLICANT: Schultz, Joanne Elaine
 APPLICANT: Lin, Yukang
 APPLICANT: Sanderson, James Allen
 APPLICANT: Reno, John M.
 APPLICANT: Dearstyne, Erica A.
 TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
 METHODS OF USE THEREOF
 FILE REFERENCE: 690022 547C3
 CURRENT APPLICATION NUMBER: US/10/244,821
 CURRENT FILING DATE: 2002-09-16
 NUMBER OF SEQ ID NOS: 92
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 7
 LENGTH: 1280
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: B9E9 single chain antibody-genomic streptavidin fusion construct
 US/10/244,821-7

Query Match 76.3%; Score 486.6; DB 15; Length 1280;
 Best Local Similarity 98.2%; Pred. No. 1.2e-120;
 Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 100 GATTAGGGCAGGCCCTTCGGAGCCCTCAAGGACTCGAAAGGCCAGTCTGGCCGC 159
 Db 773 GAGCTCTGGCTCTGGCTGGCCAGGCCCTCAAGGACTCGAAAGGCCAGTCTGGCCGC 832

Qy 160 CGAGGGGGATCACGGGACTCTGTACACAGCTGGCTGAACTGGGACCCCT 219
 Db 833 CGAGGCCGCGCATACGGGACCTGGTACGGCCAGGCCCTCAAGGACTCGAAAGGCCAGTCTGGCCGC 892

Qy 220 GGCCCGACGGCCCTTGACCGGAACCTACGAGTCCGGCAACGCCAGGCCCT 159
 Db 773 GAGCTCTGGCTCTGGCTGGCCAGGCCCTCAAGGACTCGAAAGGCCAGTCTGGCCGC 832

Qy 160 CGAGGGGGATCACGGGACTCTGTACACAGCTGGCTGAACTGGGACCCCT 219
 Db 833 CGAGGCCGCGCATACGGGACCTGGTACGGCCAGGCCCTCAAGGACTCGAAAGGCCAGTCTGGCCGC 892

Qy 220 GGCCCGACGGCCCTTGACCGGAACCTACGAGTCCGGCAACGCCAGGCCCT 279
 Db 893 GGGGCCGCGCATACGGGACCTGGTACGGCCAGGCCCTCAAGGACTCGAAAGGCCAGTCTGGCCGC 952

Qy 280 CTAGCTCTGGCTGGCTGGGAACTACGAGTCCGGCAACGCCAGGCCCT 339
 Db 953 CTAGCTCTGGCTGGCTGGGAACTACGAGTCCGGCAACGCCAGGCCCT 1012

Qy 340 CGGTGGACGGCCACGCTGGCTGGGAACTACGAGTCCGGCAACGCCAGGCCCT 399
 Db 1073 CGGTGGACGGCCACGCTGGCTGGGAACTACGAGTCCGGCAACGCCAGGCCCT 1132

Qy 460 CACCAAGGCAAGGCCCTGGCTGGCTGGGAACTACGAGTCCGGCAACGCCAGGCCCT 519
 Db 1133 CACCAAGGCAAGGCCCTGGCTGGGAACTACGAGTCCGGCAACGCCAGGCCCT 1192

Qy 520 GAAGCGTGGCGCCCTCGAGGCCAGGCCAGGCCCTGGCTGGGAACTACGAGTCCGG 579

Db	1193	GAAGCGCTCCGCCGCTTCCATGACCGAGTA	600
Qy	580	GCTCGAGCGCGTTACAGCAGTA	600
Db	1253	GCTCGAGCGCGTTACAGCAGTA	1273
RESULT 10			
US-10-244 821-87			
; Sequence 87, Application US/10244821			
; PUBLICATION NO. US2003014323A1			
; GENERAL INFORMATION:			
; APPLICANT: Goshorn, Stephen Charles			
; APPLICANT: Graves, Scott Stoll			
; APPLICANT: Schultz, Joanne Elaine			
; APPLICANT: Lin, Yukang			
; APPLICANT: Sanderian, James Allen			
; APPLICANT: Reno, John M.			
; APPLICANT: Dearstyne, Erica A.			
; TITLE OF INVENTION: STRAPAVIDIN EXPRESSED GENE FUSIONS AND METHODS OF USE THEREOF			
; TITLE OF INVENTION: STRAPAVIDIN EXPRESSED GENE FUSIONS AND METHODS OF USE THEREOF			
; FILE REFERENCE: 650022. 547C3			
; CURRENT APPLICATION NUMBER: US/10/244,821			
; CURRENT FILING DATE: 2002-09-16			
; NUMBER OF SEQ ID NOS: 92			
; SOFTWARE: FastSEQ for Windows Version 4.0			
; SEQ ID NO 87			
; LENGTH: 1371			
; TYPE: DNA			
; ORGANISM: Mus musculus			
US-10-244-821-87			
Query Match 76.3%; Score 486.6; DB 15; Length 1371;			
Best Local Similarity 98.2%; Prod. No. 1.2e-120; Indels 0; Gaps 0;			
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;			
Qy 100 GATTACGGCCAGGGTTGGCAGAACCCCTCCAAAGACTGAAAGCCAGGTTCGACCTTCATCGTGACCTTCATCGTGACCCG 159			
Db 870 GAGCTCTGGCTCTGGTGGAAACCCCTCCAAAGACTGAAAGCCAGGTTCGACCTTCATCGTGACCCG 929			
Qy 160 CGGGCGCTGGCATCACGGCACCTGGTACAACCAAGCTTCGACCTTCATCGTGACCCG 219			
Db 930 CGAGGGCGCATCACGGGACCTGGTGGATAACCCAGCTTCGACCTTCATCGTGACCCG 989			
Qy 220 GGGCGCCSACAGGGCCCTGGACCGGAACTTACAGGTGGCCGAGGAGAGCCG 279			
Db 990 GGCGCGCCSACAGGGCCCTGGACCGGAACTTACAGGTGGCCGAGGAGAGCCG 1049			
Qy 280 CTAGCTCTGACCGGTGGTACGAGGGCCCGCCACCGAGCGTGGCTGGCAAGCGCCAGGGCC 339			
Db 1050 CTAGCTCTGACCGGTGGTACGAGGGCCCGCCACCGAGCGTGGCTGGCAAGCGCCAGGGCC 1109			
Qy 340 CGGGTGGAGGTGGCTCTGGAGAATAACTACCGGAACGCCACTCGGAGGAGG 399			
Db 1110 CGGGTGGAGGTGGCTCTGGAGAATAACTACCGGAACGCCACTCGGAGGAGG 1169			
Qy 400 CGGCCAGAACGCTGGGGGCCAACGCGTGGGAGGTCGACCCAGTGTGCTGCTGACCTCCGG 459			
Db 1170 CGGCCAGAACGCTGGGGGCCAACGCGTGGGAGGTCGACCCAGTGTGCTGACCTCCGG 1229			
Qy 460 CACCAAGGGCCAACGCCCTGGAGTCCACGCCAACACCTTCACAAAGGT 519			
Db 1230 CACCAAGGGCCAACGCCCTGGAGTCCACGCCAACACCTTCACAAAGGT 1289			
Qy 520 GAAGCGTGGCCGCTTCAATCGAGCGGCAAAGGGCGGCTCAAACCGGAACCC 579			
Db 1290 GAAGCGTGGCCGCTTCAATCGAGCGGCAAAGGGCGGCTCAAACCGGAACCC 1349			
Qy 580 GCTCGAGCGCGTTACAGCAGTA 600			
Db 1350 GCTCGAGCGCGTTACAGCAGTA 1370			

GENERAL INFORMATION:

APPLICANT: Goshorn, Stephen C.
APPLICANT: Graves, Scott S.
APPLICANT: Schultz, Joanne E.
APPLICANT: Lin, Yukang
APPLICANT: Sanderson, James A.
APPLICANT: Reno, John M.
APPLICANT: Dearstyne, Erica A.

TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND METHODS OF USE THEREOF

FILE REFERENCE: 690150-547C3

CURRENT APPLICATION NUMBER: US/10/150,752

CURRENT FILING DATE: 2002-05-17

NUMBER OF SEQ ID NOS: 90

SEQUENCE SOURCE: FastSEQ for Windows Version 4.0

SEQ ID NO: 48

LENGTH: 1467

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE: OTHER INFORMATION: CC49 single chain antibody-genomic streptavidin

OTHER INFORMATION: fusion sequence US-10-150-762-48

Query Match 76.3%; Score 486; DB 15; Length 1467;

Best Local Similarity 98.2%; Pred. No. 1.2e-120; Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 100 GATTACGGCCAGCGCTTCCGAGACCCCTCCAGGACTCGAAGGCCAGGGTCTCGGCCGC 159

Db 894 GAGGTCTGGCTCTGTTCTGAGCCAGGTCAGCTCCAAAGCTCGAAGCCCTCCAGG 953

Qy 160 CGAGGCCGGCATCACGGGACCTGTGATACCACTCTGGCTCCACCTCATCTGACCG 219

Db 954 CGAGGGGGCATCACGGGACCTGTGATACAGTGGTACACCAGTGAGCTGGTCA 1013

Qy 220 GGGGCCGGACGGGCCCTGACCGGAACCTACGAGTGGCCGCTGACGGAACTACGAGTGG 279

Db 1014 GGGGCCGGACGGGCCCTGACGGAACTACGAGTGGCCGCTGACGGAACTACGAGTGG 1073

Qy 280 CTACGCTCTGACCGGTTACCGGAACTTACGAGTGGCCGCTGACGGAACTACGAGTGG 339

Db 1074 CTACGCTCTGACCGGTTACCGGAACTTACGAGTGGCCGCTGACGGAACTACGAGTGG 1133

Qy 340 CGGTTGACGGTGGCTGGCTGGAAATAACTACCGCAAGCCCAACTCCGGACACGGCT 399

Db 1134 CGGTTGACGGTGGCTGGCTGGAAATAACTACCGCAAGCCCAACTCCGGACACGGCT 1253

Qy 400 CGGCCAGTGTGGCTGGCCCTGGTACGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 459

Db 1194 CGGCCAGTGTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 1253

Qy 460 CACCAACGGGCCAACGGCTGGAGTCAAGCTGGCTGGCCAGAACCTTACCGAGGT 519

Db 1254 CACCAACGGGCCAACGGCTGGAGTCAAGCTGGCTGGCCAGAACCTTACCGAGGT 1313

Qy 520 GAAGCGGTGGCCCTCATCGCCGGCGAGAAAGCGCGTCAACAAAGGGAACACC 579

Db 1314 GAAGCGGTGGCCCTCATCGCCGGCGAGAAAGCGCGTCAACAAAGGGAACACC 1373

Qy 580 GCTCGAGCGGTCAAGCAGTA 600

Db 1374 GCTCGAGCGGTCAAGCAGTA 1394

RESULT 14

US-10-013-173-3

Sequence 3, Application US/10013173

Publication No. US2003009597A1

GENERAL INFORMATION:

APPLICANT: Goshorn, Stephen C.
APPLICANT: Graves, Scott Stoll
APPLICANT: Schultz, Joanne Elaine
APPLICANT: Sanderson, James A.
APPLICANT: Reno, John M.
TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND

RESULTS 13

US-10-24-821-48

Sequence 48, Application US/10244821

Publication No. US200301432351

GENERAL INFORMATION:

APPLICANT: Goshorn, Stephen Charles
APPLICANT: Graves, Scott Stoll
APPLICANT: Schultz, Joanne Elaine
APPLICANT: Sanderson, James A.
APPLICANT: Reno, John M.
TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND

TITLE OF INVENTION: METHODS OF USE THEREOF					
FILE REFERENCE: 690022-547C1					
CURRENT APPLICATION NUMBER: US/10/013,173					
CURRENT FILING DATE: 2001-12-07					
NUMBER OF SEQ ID NOS: 69					
SOFTWARE: FASSEQ FOR Windows Version 4.0					
SEQ ID NO 3					
TYPE: DNA	ORGANISM: Artificial Sequence				
PEPTIDE:	OTHER INFORMATION: huNR-LU-10 single chain				
	OTHER INFORMATION: Mismatched chain				
	OTHER INFORMATION: Fusion.				
	5-10-013-173-3				
LENGTH: 1614					
Query Match Best Local Similarity Score	76.3%	486.6;			
Matches 492; Conservative	98.2%	Pred. No. 1;			
	0;	Mismatched			
1 100 GATTAACGGCCGCTTCGGAGACCCCTCCAA					
0 1107 GAGGTCTGCCTCTGTTCGGAGACCCCTCCAA					
0 160 CGAAGGCCGATCACGGGACCTGTTAACACCA					
0 1167 CGAAGGCCATACGGGACCTGTTAACACCA					
0 220 GGCGCCGAGGGCCCTGAACGGAACTTACGGG					
0 1227 GGCGCCGAGGGCCCTGAACGGAACTTACGGG					
0 280 CTACGTCCTGACCGGCTGTTACGAGCGGCC					
0 1287 CTACGTCCTGACCGTGTACGAGCGGCC					
0 340 CGGTGGACGGCTGGAGAAATAACTAACCC					
0 1347 CGGTGGACGGCTGGAGAAATACTAACCC					
0 400 CGGCCAGTAGTGTGGGGGCCGGGAGGAGGA					
0 1407 CGGCCAGTAGTGTGGGGGCCGGGAGGAGGA					
0 460 CACCACTGAGGCACAGCTGGAGTTCAGGC					
0 1467 CACCACTGAGGCACAGCTGGAGTTCAGGC					
0 520 GAAGCGGTCCCCGCCCTCATGACCGGGGA					
0 1527 GAAGCGGTCCCCGCCCTCATGACCGGGGA					
0 580 GCTCGACGCCGTTACAGCAGTA 600					
0 1587 GCTCGACGCCGTTACAGCAGTA 1607					
RESULT 15	S-10-150-762-3				
Sequence 3, Application US/10150762					
GENERAL INFORMATION: US20030103948A1					
APPLICANT: Goshorn, Stephen C.					
APPLICANT: Graves, Scott S.					
APPLICANT: Schultz, Joanne E.					
APPLICANT: Lin, Yukang					
APPLICANT: Sanderson, James A.					
APPLICANT: Reno, Jonh M.					
APPLICANT: Darslyne, Erica A.					
TITLE OF INVENTION: STREPTAVIDIN EXPRESSED					
FILE REFERENCE: 690022-547C2					
CURRENT APPLICATION NUMBER: US/10/150,762					
CURRENT FILING DATE: 2002-05-17					

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NUMBER OF SEQ ID NOS: 90
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 3
LENGTH: 1614
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE: OTHER INFORMATION: hnrn-LU-10 single chain antibody-genomic streptavidin
OTHER INFORMATION: fusion.
US-10-150-1762-3

Query Match          76.3%; Score 486.6; DB 15; Length 1614;
Best Local Similarity 98.2%; Prd. No. 1.2e-10;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
Qy          100 GATTAACGGCCAGCACCCCTCAGGACTCGAACGCCAAGGTCTGAAAGCC 159
Db          1107 GAGTCCTGCCTCGTGTGGCAAGACCCTCCAGGA 1166
Qy          160 CGAGGCCGATCACCGGACCTCTGGTAAACCAAGCTCGCTCACCTTCATCTGACGC 219
Db          1167 CGAGCCGGATCACCGGACCTCTGGTAAACCAAGCTCGTGTGGCAAGACCCTCCAGGA 1226
Qy          220 GGGCCCGAGGGCCCTGACCGGAACCTAACGATCTGGCTGGCAACGCCAGAGCG 279
Db          1227 GGGCCGAGGGCCCTGACCGGAACCTAACGATCTGGCTGGCAACGCCAGAGCG 1286
Qy          280 CTAGCTCCGACCCGGTGTATTAGACAGACGCCCGGCAACCGAGGGAAACGCCCT 339
Db          1287 CTACCTCCGACCCGGTGTATTAGACAGACGCCCGGCAACCGAGGGAAACGCCCT 1346
Qy          340 CGGTTGACCGTGGCTGAAAGATACTACCGGAACGCCCACTCCGAGGACCTGGAG 399
Db          1347 CGGTTGACCGTGGCTGAAAGATACTACCGGAACGCCCACTCCGAGGACCTGGAG 1406
Qy          400 CGGCCAGTAGTCGGCCGGCCGAGGATCAACCCAGTCGGCCGGCCG 459
Db          1407 CGGCCAGTAGTCGGCCGGCCGAGGATCAACCCAGTCGGCCGGCCG 1466
Qy          460 CACCAACGGCCAAAGCTGGTAACTCCAGCTGSGTCCGGCCACACCTTCAAGAGT 519
Db          1467 CACCAACGGCCAAAGCTGGTAACTCCAGCTGSGTCCGGCCACACCTTCAAGAGT 1526
Qy          520 GAAGCCGTCCTCCGGCTCACTGAGCGGGGAAGAAAGGGCCGGCTCAAAACGCCAACCC 579
Db          1527 GAAGCCGTCCTCCGGCTCACTGAGCGGGGAAGAAAGGGCCGGCTCAAAACGCCAACCC 1585
Qy          580 GCTCGAGCCCTTCACAGTA 600
Db          1587 GCTCGAGCCCTTCACAGTA 1607

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OM nucleic - nucleic search, using sw mode.

Run on: October 30, 2004, 17:05:03 ; Search time 91 Seconds
(without alignment)
4983.333 Million cell updates/sec

Title: US-09-743-690-10
Perfect score: 638
Sequence: 1 ccctccgtccccggcca.....cggtgcggggacccgtggcc 638

Scoring table: IDENTITY-NUC
Gapop 10.0 , Gapext 1.0

Searched: 824507 seqs, 355394441 residues

Total number of hits satisfying chosen parameters: 1649014

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
 1: /cn2_6_ptodata/1/ina/SA_COMBO.seq:
 2: /cn2_6_ptodata/1/ina/SB_COMBO.seq:
 3: /cn2_6_ptodata/1/ina/6A_COMBO.seq:
 4: /cn2_6_ptodata/1/ina/6B_COMBO.seq:
 5: /cn2_6_ptodata/1/ina/PICTUS_COMBO.seq:
 6: /cn2_6_ptodata/1/ina/backfile1.seq:
 * Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	63.8	100.0	638	3 US-08-831-399-1
2	63.8	100.0	638	3 US-09-381-430-1
3	63.8	100.0	638	3 US-09-366-862-1
4	63.8	100.0	638	4 US-09-368-772-1
5	617.4	96.8	1131	6 5163049-1
6	552	86.5	552	5 PCT-US93-05240-13
7	47.8	74.8	1266	4 US-09-270-2
8	374.4	58.7	1173	4 US-09-142-974B-4
9	374.4	58.7	1176	4 US-09-142-974B-3
10	354	55.5	354	3 US-07-750-71C-6
11	310.8	48.7	1356	2 US-08-491-988-4
12	305	48.1	498	4 US-09-117-447-7
13	268.4	42.1	525	1 US-07-924-0284-2
14	238.8	37.4	1296	2 US-08-491-988-6
15	238.8	37.4	1257	2 US-08-491-988-8
16	236.2	37.0	384	3 US-08-831-399-15
17	236.2	37.0	384	3 US-09-366-862-15
18	236.2	37.0	384	4 US-09-368-772-15
19	236.2	37.0	387	1 US-08-211-833-1
20	236.2	37.0	387	1 US-08-414-718-1
c 21	72.8	11.4	403765	3 US-09-103-80A-2
c 22	72.8	11.4	4411529	3 US-09-103-80A-2
c 23	71.8	11.3	4403765	3 US-09-103-840A-1
c 24	70.2	11.0	4411529	3 US-09-103-840A-1
c 25	68.4	10.7	2214	3 US-08-864-038A-1
c 26	68.4	10.7	3331	3 US-08-864-038A-2
c 27	68.4	10.7	3331	3 US-08-864-038A-4

ALIGNMENTS

RESULT 1
US-08-831-399-1
Sequence 1, Application US/08831399
Patent No. 6112916

GENERAL INFORMATION:
 APPLICANT: Koetzki, Richard; Schmitt, Urban; Deger, Arno; Brandstetter, Hans
 TITLE OF INVENTION: Recombinant Inactive Core
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Felfe & Lynch
 STREET: 805 Third Avenue
 CITY: New York City
 STATE: New York
 COUNTRY: USA
 ZIP: 10022

COMPUTER READABLE FORM:
 COMPUTER: IBM PS/2
 OPERATING SYSTEM: PC-DOS
 SOFTWARE: Wordperfect
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/831,399
 FILING DATE: 1-April-1997
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: DE-1996 13 053.0
 FILING DATE: 1-April-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: DE-196 37 718.8
 FILING DATE: 16-September-1996
 ATTORNEY INFORMATION:
 NAME: Hansen, No. 6312916man D.
 REGISTRATION NUMBER: 30,946
 REFERENCE/DOCKET NUMBER: HUBR 1105
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 838-3884
 TELEFAX: (212) 838-3884
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 638 base Pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 50..598
 OTHER INFORMATION: Positions 50..121 correspond to signal peptide, and 122..598 to mat peptide.

US-08-831-399-1

	Query Match	Score 638; DB 3; Length 638;	Score 638; DB 3; Length 638;
	Best Local Similarity 100.0%; Pred. No. 2.5E-129;	Best Local Similarity 100.0%; Pred. No. 2.5E-129;	
	Matches 638; Conservative 0; Mismatches 0;	Matches 638; Conservative 0; Mismatches 0;	
Qy	1 CCCTCCGTCGGCGGCAACATAGGAGTATTTCGTGTCACAGCSCAAGT 60	1 CCCTCCGTCGGCGGCAACATAGGAGTATTTCGTGTCACAGCSCAAGT 60	
Ds	1 CCCTCCGTCGGCGGCAACATAGGAGTATTTCGTGTCACAGCSCAAGT 60	1 CCCTCCGTCGGCGGCAACATAGGAGTATTTCGTGTCACAGCSCAAGT 60	
Qy	61 CGTCGTCAGGCACTCGCGTTCCCTGACCACTGGGCTTCGCG 120	61 CGTCGTCAGGCACTCGCGTTCCCTGACCACTGGGCTTCGCG 120	
Ds	61 CGTCGTCAGGCACTCGCGTTCCCTGACCACTGGGCTTCGCG 120	61 CGTCGTCAGGCACTCGCGTTCCCTGACCACTGGGCTTCGCG 120	
Qy	121 AGACCCCTCAAGGACTGGAAGCCCAAGGTCAGGCGCCAGGGGATCACGGCAC 180	121 AGACCCCTCAAGGACTGGAAGCCCAAGGTCAGGCGCCAGGGGATCACGGCAC 180	
Ds	121 AGACCCCTCAAGGACTGGAAGCCCAAGGTCAGGCGCCAGGGGATCACGGCAC 180	121 AGACCCCTCAAGGACTGGAAGCCCAAGGTCAGGCGCCAGGGGATCACGGCAC 180	
Qy	181 CTGCTACACCACCTCGCTCGACCTCGACCTCTGACCGCTGTAA 240	181 CTGCTACACCACCTCGCTCGACCTCTGACCGCTGTAA 240	
Ds	181 CTGCTACACCACCTCGCTCGACCTCTGACCGCTGTAA 240	181 CTGCTACACCACCTCGCTCGACCTCTGACCGCTGTAA 240	
Qy	241 CGAAACCTTAAGACTGGCGCTAACGGCGAGAACGGCAAGGGGCTGTTA 300	241 CGAAACCTTAAGACTGGCGCTAACGGCGAGAACGGCAAGGGGCTGTTA 300	
Ds	241 CGAAACCTTAAGACTGGCGCTAACGGCGAGAACGGCAAGGGGCTGTTA 300	241 CGAAACCTTAAGACTGGCGCTAACGGCGAGAACGGCAAGGGGCTGTTA 300	
Qy	301 CGACAGGCCCGCCCGGCAACGGGAGGGGACCGGGCTGCTGGA 360	301 CGACAGGCCCGCCCGGCAACGGGAGGGGACCGGGCTGCTGGA 360	
Ds	301 CGACAGGCCCGCCCGGCAACGGGAGGGGACCGGGCTGCTGGA 360	301 CGACAGGCCCGCCCGGCAACGGGAGGGGACCGGGCTGCTGGA 360	
Qy	361 GAATACTTCAAGGCGGCACTCGCAACAGGCGGCTGCTGCGCCG 420	361 GAATACTTCAAGGCGGCACTCGCAACAGGCGGCTGCTGCGCCG 420	
Ds	361 GAATACTTCAAGGCGGCACTCGCAACAGGCGGCTGCTGCGCCG 420	361 GAATACTTCAAGGCGGCACTCGCAACAGGCGGCTGCTGCGCCG 420	
Qy	421 CGAGCGGAGGATCAACCCAGTGGCTCTGACCTCCGGACACCGGCAAACCTG 480	421 CGAGCGGAGGATCAACCCAGTGGCTCTGACCTCCGGACACCGGCAAACCTG 480	
Ds	421 CGAGCGGAGGATCAACCCAGTGGCTCTGACCTCCGGACACCGGCAAACCTG 480	421 CGAGCGGAGGATCAACCCAGTGGCTCTGACCTCCGGACACCGGCAAACCTG 480	
Qy	481 GAACTCCGACGCTGTGCGGACACCTTCACCAAGGTGAAGCCGTCGCGCTCAT 540	481 GAACTCCGACGCTGTGCGGACACCTTCACCAAGGTGAAGCCGTCGCGCTCAT 540	
Ds	481 GAACTCCGACGCTGTGCGGACACCTTCACCAAGGTGAAGCCGTCGCGCTCAT 540	481 GAACTCCGACGCTGTGCGGACACCTTCACCAAGGTGAAGCCGTCGCGCTCAT 540	
Qy	541 CGAGCGGGCAAGGGGGCTCAACAACGGCAACCCGTCAGGATA 600	541 CGAGCGGGCAAGGGGGCTCAACAACGGCAACCCGTCAGGATA 600	
Ds	541 CGAGCGGGCAAGGGGGCTCAACAACGGCAACCCGTCAGGATA 600	541 CGAGCGGGCAAGGGGGCTCAACAACGGCAACCCGTCAGGATA 600	
Qy	601 GTCGGGTCGGCAAGGGGGTCCGGGACCTCGGCC 638	601 GTCGGGTCGGCAAGGGGGTCCGGGACCTCGGCC 638	
Ds	601 GTCGGGTCGGCAAGGGGGTCCGGGACCTCGGCC 638	601 GTCGGGTCGGCAAGGGGGTCCGGGACCTCGGCC 638	

RESULT 2
US-09-381-430-1

/ Sequence 1, Application US/09381430
/ Patent No. 6368813
/ GENERAL INFORMATION:
/ APPLICANT: Reznik, Gabriel O.
/ APPLICANT: Sano, Takeshi
/ APPLICANT: Vajda, Sandor
/ APPLICANT: Smith, Cassandra
/ APPLICANT: Cantor, Charles
/ TITLE OF INVENTION: MULTIFLAVOR STREPTAVIDIN
/ FILE REFERENCE: 1584-50152
/ CURRENT APPLICATION NUMBER: US/09/381,430
/ PRIOR APPLICATION NUMBER: PCT/US98/04931
/ PRIOR FILING DATE: 1998-03-13
/ PRIOR APPLICATION NUMBER: 60/040,771
/ PRIOR FILING DATE: 1997-03-14
/ NUMBER OF SEQ ID NOS: 2
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO: 1
/ LENGTH: 638

RESULT 3
US-09-366-862-1

/ Sequence 1, Application US/09366862
/ Patent No. 6391571
/ GENERAL INFORMATION:
/ APPLICANT: Kopetzki, Erhard, Muller, Rainer; Brandstetter, Hans
/ TITLE OF INVENTION: Recombinant Inactive Core Streptavidin Mutants
/ NUMBER OF SEQUENCES: 16
/ CORRESPONDENCE ADDRESS:
/ ADDRESSE: Felte & Lynch
/ STREET: 805 Third Avenue
/ CITY: New York City
/ STATE: New York
/ COUNTRY: USA
/ ZIP: 10022
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
/ COMPUTER: IBM PS/2
/ OPERATING SYSTEM: PC-DOS

SOFTWARE: Wordperfect
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/366,862
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/831,399
 FILING DATE: 1-April-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Hanson, NO. 6391571man D.
 REFERENCE/DOCKET NUMBER: 30,946
 TELECOMMUNICATIONS INFORMATION:
 TELEFAX: (212) 688-9200
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 638 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 NAME/KEY: CDS
 LOCATION: 50..598
 OTHER INFORMATION: Positions 50..1121 correspond to sig peptide, and 122..598 to mat peptide.
 US-09-366-862-1

Query Match 100.0%; Score 638; DB 3; Length 638;
 Best Local Similarity 100.0%; Pred. No. 2 5e-129; Matches 638; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	CCCTCCGTCGGCGCAACAATCTAGGGAGTATTTCGTGTCACATGGCAGAT	60
Db	1	CCCTCCGTCGGCGCAACAATCTAGGGAGTATTTCGTGTCACATGGCAGAT	60
Qy	61	CCTCGTGAGCATGCCGTTCCCTGACACGCTCTGATGTTGGCAGCTGG	120
Db	61	CCTCGTGAGCATCCGTTCCCTGACACGCTCTGATGTTGGCAGCTGG	120
Qy	121	AGACCCCTCCAGGACTCGAGGCCAGGGCTCTGCCGGAGCCGATCACGCCA	180
Db	121	AGACCCCTCCAGGACTCGAGGCCAGGGCTCTGCCGGAGCCGATCACGCCA	180
Qy	181	CTGGTAAACCGCTGGCTGACCTTCATGTTGACCCGCGCCGCTGCA	240
Db	181	CTGGTAAACCGCTGGCTGACCTTCATGTTGACCCGCGCCGCTGCA	240
Qy	241	CGAACCTACGGCTGGCTGGCAACGGGAGGCGTACGCTGGCTGGCA	300
Db	241	CGAACCTACGGCTGGCTGGCAACGGGAGGCGTACGCTGGCTGGCA	300
Qy	301	CGACAGCCCCGGCCACGGAACCCCTGGTGGACGGTGGCTGCA	360
Db	301	CGACAGCCCCGGCCACGGAACCCCTGGTGGACGGTGGCTGCA	360
Qy	361	GAATAACTACCGAACSCCAACTCCGGACACGTGGCAGTAGTCGGCGC	420
Db	361	GAATAACTACCGAACSCCAACTCCGGACACGTGGCAGTAGTCGGCGC	420
Qy	421	CGGGCGGGATAAACCCACTGGCTGGCAACGGGAGGCGTACCTGGCTGG	480
Db	421	CGGGCGGGATAAACCCACTGGCTGGCAACGGGAGGCGTACCTGGCTGG	480
Qy	481	GAAGTCCTCGCTGGCTGGCAAGCGTCCGCGCTCCAT	540
Db	481	GAAGTCCTCGCTGGCAAGCGTCCGCGCTCCAT	540

Query Match 100.0%; Score 638; DB 4; Length 638;
 Best Local Similarity 100.0%; Prod. No. 2 5e-129; Matches 638; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	CCCTCGTCGGCGCAACACTGGAGTATTTCGTGTCACATGGCAGAT	60
Db	1	CCCTCGTCGGCGCAACACTGGAGTATTTCGTGTCACATGGCAGAT	60
Qy	61	CGTCCTGCGCCATGCGGATGCGCTGGCTGGCAACGCGCTGGC	120
Db	61	CGTCCTGCGCCATGCGGATGCGCTGGCTGGCAACGCGCTGGC	120

Query 121 AGACCCCTCCAGGACTCGAAGGCCAGGTTCTCGGCTCGAACCTTCATCGTGAAGCCGGGACGGGGCTGACCCGGAAACC 677
 Db 121 AGACCCCTCCAGGACTCGAAGGCCAGGTTCTCGGCTCGAACCTTCATCGTGAAGCCGGGACGGGGCTGACCCGGAAACC 180
 Query 181 CTGGTACACAGCTGGCTGACCTTATCGTGAACGGGGCCAGGGCCCTGAC 240
 Db 181 CTGGTACACAGCTGGCTGACCTTATCGTGAACGGGGCCAGGGCCCTGAC 240
 Query 241 CGAACCTACGAGTCGGTGGAACGGAGAGCCGTACTCCGACCACTGGGAC 300
 Db 241 CGAACCTACGAGTCGGTGGAACGGAGAGCCGTACTCCGACCACTGGGAC 300
 Query 301 CGACAGCCGGGCAACGAGGAACTCCGGGAC 360
 Db 301 CGACAGCCGGGCAACGAGGAACTCCGGGAC 360
 Query 361 GAATAACTACCCAAACCCCAACTCCGACACGGCCAGTAGTGGCGGC 420
 Db 361 GAATAACTACCCAAACCCCAACTCCGACACGGCCAGTAGTGGCGGC 420
 Query 421 CGAGGCGGGATAACCCAGTGGTGAACCTCGGACACGGCAGTAGTGGCGGC 480
 Db 421 CGAGGCGGGATAACCCAGTGGTGAACCTCGGACACGGCAGTAGTGGCGGC 480
 Query 481 GAGATCCAAGCTGGCCAGAACCTTACAAGGTGAAGCCTCGGCCCAT 540
 Db 481 GAGATCCAAGCTGGCCAGAACCTTACAAGGTGAAGCCTCGGCCCAT 540
 Query 541 CAGCGCGGAGAGAAAGCCGCAACAGCTGAGCGGTCAGCGTCAAGCTA 600
 Db 541 CAGCGCGGAGAGAAAGCCGCAACAGCTGAGCGGTCAGCGTCAAGCTA 600
 RESULT 5
 5168049-1
 ; Patent No. 5168049
 ; APPLICANT: MEADE, HARRY M.; GARWIN, JEFFREY L.
 ; TITLE OF INVENTION: PRODUCTION OF STREPTAVIDIN-LIKE
 ; POLYPEPTIDES
 ; NUMBER OF SEQUENCES: 6
 ; CURRENT APPLICATION DATA:
 ; FILING DATE: 21-APR-1988
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: 656,873
 ; FILING DATE: 02-OCT-1984
 ; SEQ ID NO:1;
 ; LENGTH: 1131
 5168049-1
 Query Match 96.8%; Score 617.4; DB 6; Length 1131;
 Best Local Similarity 99.7%; Pred. No. 7.4e-125; Indels 1; Gaps 1;
 Matches 629; Conservative 0; Nsmatches -1; Delins 1;
 Query 9 CCCCGGGGCAACACTA-GGGAGTATTTCGTTGTCACATGGAAAGATCGTGT 67
 Db 43.8 CCCGGGGGCAACACTA-GGGAGTATTTCGTTGTCACATGGAAAGATCGTGT 497
 Query 68 GAGCCATGGCTGGTTCCCTACACGGGTTGATTACGCCAGCTGGAGAAC 127
 Db 49.8 GAGCCATGGCTGGTTCCCTACACGGGTTGATTACGCCAGCTGGAGAAC 557
 Query 128 TCCAAAGSACTAAGGCCAGTCTGGCCGAGGGGCACTACGGCACTGTAC 187
 Db 55.8 TCCAAAGSACTAAGGCCAGTCTGGCCGAGGGGCACTACGGCACTGTAC 617
 Query 188 AACAGCTGGCTGAACCTTCATCGTGAAGCCGGACGGCCCTGACCCGAAAC 247
 Db 188 AACAGCTGGCTGAACCTTCATCGTGAAGCCGGACGGCCCTGACCCGAAAC 247

Db 618 AACAGCTGGCTGAACCTTCATCGTGAAGCCGGACGGCCCTGACCCGAAAC 677
 Query 248 TACBAGTCGCGGCGGAAAGCGGCTACCTCGCTGACGGCTCTAGACAGC 307
 Db 678 TAGAGTGGCCGCTGGAAACSCCGAGGGCTAGTCCTGACGGGTCTAGACAGC 737
 Query 308 GCCCGGGCACCGACGGGAGGGCACGCCCTCGTGAAGCTGGAAAGAAC 367
 Db 738 GCCCGGGCACCGACGGGAGGGCACGCCCTCGTGAAGCTGGAAAGAAC 797
 Query 368 TACCGAACGCCACTCGGACCACTGGGACGGCCGAGGGCG 427
 Db 798 TACCGAACGCCACTCGGACCACTGGGACGGCCGAGGGCG 857
 Query 428 AGGATCAGACCCAGTGGCTGACCTCCGSCACACCGAGGCCAACCGCTGGAAAGTC 487
 Db 858 AGGATCAAACCCAGTGGCTGACCTCCGSCACACCGAGGCCAACCGCTGGAAAGTC 917
 Query 488 ACGTGGTGGGGCACAGCACCCPTCACTAAAGTGAAGCTGGCTCCATGGACCG 547
 Db 918 ACGTGGTGGGGCACAGCACCCPTCACTAAAGTGAAGCTGGCTCCATGGACCG 917
 Query 548 GCGAGAAGGGCCGGCTAACACAGGGAACCGCTGAGCCGCTTACGGTAGTCGGCT 607
 Db 978 GCGAGAAGGGCCGGCTAACACAGGGAACCGCTGAGCCGCTTACGGTAGTCGGCT 1037
 RESULT 6
 PCT-US93-05240-13
 ; Sequence 13; Application PC/TUS9305240
 ; GENERAL INFORMATION:
 ; APPLICANT: NAGARAJAN, VASANTHA
 ; TITLE OF INVENTION: PRODUCTION OF STREPTAVIDIN FROM BACILLUS
 ; TITLE OF INVENTION: SUBTILLIS
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: DU PONT COMPANY
 ; STREET: BARLEY MILL PLAZA 36
 ; CITY: WILMINGTON
 ; STATE: DELAWARE
 ; COUNTRY: USA
 ; ZIP: 19880-0036
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: FLOPPY disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0,
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US93/05240
 ; FILING DATE: 19930327
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: GEIGER, KATHLEEN W
 ; REFERENCE DOCKET NUMBER: CR 9029
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 302-892-2118
 ; TELEFAX: 302-892-7949
 ; INFORMATION FOR SEQ ID NO: 13:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 552 base Pairs
 ; TYPE: NUCLEIC ACID
 ; STRANDEDNESS: Single
 ; TOPOLOGY: Linear
 ; MOLECULE TYPE: DNA (genomic)
 PCT-US93-05240-13
 Query Match 86.5%; Score 552; DB 5; Length 552;
 Best Local Similarity 100.0%; Pred. No. 9.1e-111;
 Matches 552; Conservative 0; Nsmatches 0; Delins 0; Gaps 0;

RESULT 9
 US 09-142-974B-3 Application US/09142974B
 Patent No. 6451195
 GENERAL INFORMATION:
 i APPLICANT: Cheung, Nai-Kong V.
 i APPLICANT: Larson, Steven M.
 i APPLICANT: Guo, Hong-Fen
 i APPLICANT: Rivlin, Ken
 i APPLICANT: Sadelain, Michel
 i TITLE OF INVENTION: Single Chain FV Constructs of Anti-Ganglioside GD2
 i FILE REFERENCE: MKR P-013-USNP
 i CURRENT FILING DATE: 1998-09-18
 i PRIORITY APPLICATION NUMBER: US/09/142,974B
 i PRIORITY FILING DATE: 1997-03-20
 i PRIORITY APPLICATION NUMBER: 60/013,703
 i PRIORITY FILING DATE: 1996-03-20
 i NUMBER OF SEQ ID NOS: 5
 i SOFTWARE: Patentin Ver. 2.1
 SEQ ID NO 3
 LENGTH: 1176
 TYPE: DNA
 ORGANISM: Murine
 FEATURE:
 OTHER INFORMATION:
 NAME/KEY: unsure
 LOCATION: (37)
 NAME/KEY: unsure
 LOCATION: (79)
 US 09-142-974B-3

Query Match 56.7%; Score 374.4; DB 4; Length 1176;
 Best Local Similarity 98.4%; Pred. No. 2.3e-72; Indels 0; Gaps 0;
 Matches 378; Conservative 0; Mismatches 6;

Qy 155 GCGGCCAGGGGATCA CGGACCTGTACCCATGCTGACCTTCATGGT 214
 Db 736 GCTGTCGAAGGGATCA CGGACCTGTACCCATGCTGACCTTCATGGT 795

Qy 215 ACCGGGGCGCGCA CGGGGCTGACGGACCTGTACCCATGCTGACCTTCATGGT 274
 Db 796 ACCGGGGCGCGCA CGGGGCTGACGGACCTGTACCCATGCTGACCTTCATGGT 855

Qy 275 AGCCGCTA CGCCTGCGCTGCGATCA CGGACCTGTACCCATGCTGACCTTCATGGT 334
 Db 856 AGCCGCTA CGCTGCGCTGCGATCA CGGACCTGTACCCATGCTGACCTTCATGGT 915

Qy 335 GCGCTCGCTGCGCTGCGATCA CGGACCTGTACCCATGCTGACCTTCATGGT 394
 Db 916 GCGCTCGCTGCGCTGCGATCA CGGACCTGTACCCATGCTGACCTTCATGGT 975

Qy 395 TGGAGCGGCCAGTAGTGTGGGGCGCGAGGGATCAACACCGTGCTGAC 454
 Db 976 TGGAGCGGCCAGTAGTGTGGGGCGCGAGGGATCAACACCGTGCTGAC 1035

Qy 335 GCCCTCGTTGACGGTGGCTGGAAATAACTACCGCACTCGGCCAACCG 394
 Db 913 GCCCTCGTTGACGGTGGCTGGAAATAACTACCGCACTCGGCCAACCG 972
 Qy 395 TCGAGCGCAGTA CGTGGCGGAGATCACACCGAGGTGCTGTGAC 454
 Db 973 TCGAGCGCAGTA CGTGGCGGAGATCACACCGAGGTGCTGTGAC 1032
 Qy 455 TCGGCCACCGAGGGCA CGCCCTGGAACTGGCACGACCTTCAC 514
 Db 1033 TCGGCACAGGGCA CGCCCTGGAACTGGCACGACCTTCAC 1092
 Qy 515 AAGGTGAAGCGTCCCGCGCTCC 538
 Db 1096 AAGGTGAAGCGTCCCGCGCTCC 1119

RESULT 10
 US-07-780-717C-6
 Sequence 6, Application US/07780717C
 Patent No. 6391590
 GENERAL INFORMATION:
 i APPLICANT: Sano, Takeshi
 i APPLICANT: Glazer, Alexander N
 i APPLICANT: Cantor, Charles R
 i TITLE OF INVENTION: Metallothionein Derivatives with Biological Recognition Specificity
 i NUMBER OF SEQUENCES: 7
 i CORRESPONDENCE ADDRESS:
 i ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
 i STREET: 268 BUSH STREET, SUITE 3200
 i CITY: SAN FRANCISCO
 i STATE: CALIFORNIA
 i COUNTRY: USA
 i ZIP: 94104
 COMPUTER READABLE FORM:
 i MEDIUM TYPE: Floppy disk
 i COMPUTER: IBM PC compatible
 i OPERATING SYSTEM: PC-DOS/MS-DOS
 i SOFTWARE: PatentIn Release #1.0, Version #1.30
 i CURRENT APPLICATION DATA:
 i APPLICATION NUMBER: US/07/780,717C
 i FILING DATE:
 i CLASSIFICATION: 435
 i ATTORNEY/AGENT INFORMATION:
 i NAME: OSMAN, RICHARD A.
 i REGISTRATION NUMBER: 36,627
 i REFERENCE/DOCKET NUMBER: B91-028
 i TELECOMMUNICATION INFORMATION:
 i TELEPHONE: (415) 343-4341
 i TELEFAX: (415) 343-4342
 i INFORMATION FOR SEQ ID NO: 6:
 i SEQUENCE CHARACTERISTICS:
 i LENGTH: 354 base pairs
 i TYPE: nucleic acid
 i STRANDEDNESS: double
 i TOPOLOGY: linear
 i MOLECULE TYPE: cDNA
 i FEATURE:
 i NAME/KEY: CDS
 i LOCATION: 1..354
 i LOCATION: 1..354
 US-07-780-717C-6

Query Match 55.5%; Score 354; DB 3; Length 354;
 Best Local Similarity 100.0%; Pred. No. 5e-68; Indels 0; Gaps 0;
 Matches 354; Conservative 0; Mismatches 0;
 LOCATION: 1..354

Qy 167 GGCATACCGCACCTGGTACAACTGGTACCCATGTCACCGGGGCC 226
 Db 1 GGCATACCGCACCTGGTACAACTGGTACCCATGTCACCGGGGCC 60

Qy 227 GACGGGCCCTGACCGGAGCCGCTGACGGCTACATGTCACCGGGGCC 286
 Db 61 GACGGGCCCTGACCGGAGCCGCTGACGGCTACATGTCACCGGGGCC 120

Qy 287 CTGACCGTCTGTTACCGGAGCCGCTGACGGCTACATGTCACCGGGGCC 346
 Db 121 CTGACCGTCTGTTACCGGAGCCGCTGACGGCTACATGTCACCGGGGCC 180

Qy 347 ACGGTGGCCAGTAGTGTGGGGCGCGAGGGATCAACACCGTGCTGAC 406
 Db 976 TGGAGCGGCCAGTAGTGTGGGGCGCGAGGGATCAACACCGTGCTGAC 1035

Query Match 47.8%; Score 305; DB 1; Length 525;
 Best Local Similarity 77.1%; Pred. No. 2e-57;
 Matches 371; Conservative 0; Mismatches 110; Indels 0; Gaps 0;

Qy 122 GACCCCTCAAGGACTGAAAGCCCGGCTGGCATCACGGGCC 181
 Db 37 GACCCGTCAAGGACTCAAAGCTCAGTCTGGAGCCAGTCGGACC 96

Qy 182 TGGTACAACTCGCTGACCTGATCTGACCCGCGGCCTGCC 241
 Db 97 TGGTATTAACCACTGGGTGCACTTGTGACCTGGAGCTGTACT 156

Qy 182 AATAACTAACCCAACCCCACCTCCGACATCGGGGCACTGC 421
 Db 247 AACAACTATCTTAATGCGTCAGGCTGGCAATAGTTGCGTGT 306

Qy 422 GAGGGAGGAACTAACCCAGTGGCTGGTGAACCGGCCAACGCTGG 481
 Db 307 GAGGGTGTAACATCGGGACTACGGAGATGGATGG 366

Qy 482 AAGTCACAGCTGGCTGGCACGACACCTTACAAGGTTAACGGCTC 541
 Db 367 AAATCGACATAGTAGTGTATGACCTTACCAAGTAAGCTTCTGCTAGAT 426

Qy 542 GAGCGCGGAGAAGGCCGGGTCAACGGGACCCCTCAAGCGGTAG 601
 Db 427 GATGCCCGCAGAACCGCTAACGGTAACCCCTTACAGCTGTTCAAGCAATA 486

Qy 602 TCGGTTCCGG 612
 Db 487 TAAGGATCCGG 497

RESULT 13
 US-07-924-028A-2
 ; Sequence 2, Application US/07924028A
 ; Patent No. 5410573
 GENERAL INFORMATION:
 APPLICANT: Lubitz, Werner, Szostak, Michael P.
 TITLE OF INVENTION: CARRIER-BOUND RECOMBINANT PROTEINS, PROCESS
 TITLE OF INVENTION: FOR THE PRODUCTION AND USE AS IMMUNOGENS AND VACCINES
 NUMBER OF SEQUENCES: 6
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Feife & Lynch
 STREET: 805 Third Avenue
 CITY: New York City
 STATE: New York
 COUNTRY: USA
 ZIP: 10022

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
 COMPUTER: IBM PS/2
 OPERATING SYSTEM: PC-DOS
 SOFTWARE: Wordperfect
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/924, 028A
 FILING DATE: 3-0-SEP-1992
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/EP91/00308
 FILING DATE: 02-FEB-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: DE 40 05 874
 FILING DATE: 24-FEB-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Hanson, No. 5410573man D.
 REGISTRATION NUMBER: 30,916
 REFERENCE/DOCKET NUMBER: HUBR 1027
 TELEPHONE: (212) 688-9200
 TELEFAX: (212) 838-3884
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 525 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear

Query Match 47.8%; Score 305; DB 1; Length 525;
 Best Local Similarity 77.1%; Pred. No. 2e-57;
 Matches 371; Conservative 0; Mismatches 110; Indels 0; Gaps 0;

Qy 122 GACCCCTCAAGGACTGAAAGCCCGGCTGGCATCACGGGCC 181
 Db 37 GACCCGTCAAGGACTCAAAGCTCAGTCTGGAGCCAGTCGGACC 96

Qy 182 TGGTACAACTCGCTGACCTGATCTGACCCGCGGCCTGCC 241
 Db 97 TGGTATTAACCACTGGGTGCACTTGTGACCTGGAGCTGTACT 156

Qy 182 AATAACTAACCCAACCCCACCTCCGACATCGGGGCACTGC 421
 Db 247 AACAACTATCTTAATGCGTCAGGCTGGCAATAGTTGCGTGT 306

Qy 422 GAGGGAGGAACTAACCCAGTGGCTGGTGAACCGGCCAACGCTGG 481
 Db 307 GAGGGTGTAACATCGGGACTACGGAGATGGATGG 366

Qy 482 AAGTCACAGCTGGCTGGCACGACACCTTACAAGGTTAACGGCTC 541
 Db 367 AAATCGACATAGTAGTGTATGACCTTACCAAGTAAGCTTCTGCTAGAT 426

Qy 542 GAGCGCGGAGAAGGCCGGGTCAACGGGACCCCTCAAGCGGTAG 601
 Db 427 GATGCCCGCAGAACCGCTAACGGTAACCCCTTACAGCTGTTCAAGCAATA 486

Qy 602 TCGGTTCCGG 612
 Db 487 TAAGGATCCGG 497

RESULT 14
 US-08-491-988-6
 ; Sequence 6, Application US/08491988
 ; Patent No. 5971116
 GENERAL INFORMATION:
 APPLICANT: EPERETOS, AGAMEMNON A.
 APPLICANT: SPOONER, ROBERT A.
 APPLICANT: DEONARAIN MAHENDRA
 TITLE OF INVENTION: Compounds for targeting
 NUMBER OF SEQUENCES: 29
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MACAULAY NISSEN GOLDBERG KIEL & HAND, LLP
 STREET: 261 MADISON AVENUE
 CITY: NEW YORK
 STATE: NY
 COUNTRY: USA
 ZIP: 10016-2391
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/491, 988
 FILING DATE: 18-DEC-1995
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: GOLDBERG, JULES B.
 REGISTRATION NUMBER: 24,408
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-986-4090

TELEFAX: 212-818-9479
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1296 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 HYPOTHETICAL: NO
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 40..1284

US-08-491-988-6

Query Match Score 268.4; DB 2; Length 1296;
 Best Local Similarity 72.0%; Pred. No. 1. Re-49;
 Matches 350; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

Qy 4 9 CATGCCAAGATCGTGTGGAGCCATGCCGTTCCCTGACCACTCGTCAATTAGGC 108
 Db 795 CAACCACTGGTGTGGAGAACCAAACTAGCTGTCTAGTCTAGTGTGGACCTG 854

Qy 109 CAGCGCTTCGCGAGCCCTCCAAGGACTGAAGCCTCCAGACCTGGTGTGGAGGGCG 168
 Db 855 TGCAGACCTCAGACCCGTCAGAAAGCTCAAGCTCAAGCTCAAGCTGAGTG 914

Qy 169 CATACCGGCACCTGGTACAACCACTGGTACAACCTGGCTCATCGTGAACGGGGCGCGA 228
 Db 915 TATCACTGGCACCTGGTATAACCAACTGGGTGACTTCATTTGACCGTGTGGAA 974

Qy 229 CGGGCCCTGACCGAACCTACAGAGTCGGCACGGCAACGGGAGACCGTACGTTCT 288
 Db 975 CGGAGCTCTGACTGGACATACAGAACTGGTGTGGTGTGGAGAAATCCGGTACGTA 1034

Qy 289 GACGGGTGTTAGGAAAGCCGGCCCGAACCGGACGGGACCCGCTGGTGGAC 348
 Db 1035 GACTGGCGCTTATGACTCTGACCTGCACTGGCCACCGATGGCTGTGGCTGGAC 1094

Qy 349 GGTGGCTGGAGAAATACTACCGAAAGCCACGGTGGGACCGACGGCCAGTA 408
 Db 1095 TTGTTGGTGGAAAGACATATCGTAAATGGCAAGGGCACTACGGTGTGGCAATA 1154

Qy 409 CTCGGGGCGCCGAGGGAGGCTGACACCCAGTGGCTGACCTCGGGACCGA 468
 Db 1155 CGTTGGCGGCTGAGGCTGAGGCTGTGATTAACACTCGTGGCTGTAAATCGGACTACCGA 1214

Qy 469 GCCCAAAGCTCTGGAAACTCAGCGTGGTGGCCACGACACTTACCAAGGTGAAGCGTC 528
 Db 1215 AGCGTGTGATGGAATTGACACTAGTAACTGATGACACCTTACCAAGTTAGCCTTC 1274

Qy 529 CGCCGC 534
 Db 1275 TGCTGC 1280

RESULT 15
 US-08-491-988-8
 Sequence 8, Application US/08491988
 Patent No. 5933116

GENERAL INFORMATION:
 APPLICANT: EPELENTO, AGAMENON A.
 APPLICANT: SPOONER, ROBERT A.
 APPLICANT: DEONARAN, MAHENDRA
 TITLE OF INVENTION: Compounds for targeting
 NUMBER OF SEQUENCES: 29
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MCALULY NISSEN GOLDBERG KIEL & HAND, LLP
 CITY: NEW YORK
 STATE: NY
 COUNTRY: USA
 COMPUTER READABLE FORM:

Search completed: October 30, 2004, 18:52:38
 Job time : 100 secs

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